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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/317,434	05/24/1999	SUSUMU KOBAYASHI	500.37238X00	9103

20457 7590 05/21/2002
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ARLINGTON, VA 22209

EXAMINER

LE, DEBBIE M

ART UNIT	PAPER NUMBER
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2177

DATE MAILED: 05/21/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/317,434

Applicant(s)

KAMEGI ET AL.

Examiner

DEBBIE M LE

Art Unit

2177

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 March 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kleewein et al (US Patent 6,105,017).

As per claim 1, Kleewein discloses a deferring large object retrievals from a remote database comprising:

a first process of enabling a database server operating at a server to store data, which is stored in a database requested by a program operating at a client (fig 1, # 24, col. 4, lines 41-67), and to respond to said request by transmitting an identifying information of said stored data to said program (abstract, fig. 2a-b, col. 5, lines 27-29); and a second process of enabling said program to refer to said common storage area based on said identifying information of said stored data, to obtain said stored data (figs. 2a-b, col. 5, lines 30-55).

Kleewein does not explicitly teach common storage area other than a storage area. However, Kleewein teaches remote database (fig. 1, col. 5, lines 34-36). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made utilize a remote database to handle user data request because it would enable

the system for improving the efficiency of processing action in a computer (col. 3, lines 16-28, col. 7, lines 9-12).

As per claim 2, Kleewein teaches:

a third process of enabling said database server to create a storage area identifying information for identifying the area on said storage device to which said data is outputted (col. 3, lines 39-40, col. 4, lines 55-56);

a fourth process of notifying said program of said storage area identifying information from said database server, and a fifth process of enabling said program to refer to the area on said storage device using said storage identifying information obtained by said notification to obtain said data (col. 5, lines 43-67).

As per claim 3, Nakano teaches:

a sixth process of enabling said program to request an execution of a function defined in said database, a seventh process of enabling said database server to execute said function according to a request from said program, an eighth process of enabling said function to create a storage area identifying information of said storage device to which said data is outputted, a ninth process of enabling said function to output said data to said storage area; and a tenth process of enabling said function to notify said database server of said storage area identifying information (col. 6, lines 12-67).

As per claim 5, Nakano teaches:

a process of enabling said program to refer to said storage device to which said data is outputted by said database server, at the same node as a node where said database server is in operation to obtain said data (col. 5, lines 39-55).

As per claim 6, Nakano teaches:

first means for enabling a database server operating in a server to output to a file said massive amount of data stored in a database requested by a program operating in a client (col. 4, lines 5-18), respond to said request by transmitting identifying information of said file to said program (col. 5, lines 25-38);

and second means for enabling said program to refer to said file where said massive amount of data is outputted from said common storage area by said first means and based on said identifying information, to obtain said massive amount of data (col. 5, lines 56-67, col. 6, lines 1-67).

Kleewein does not explicitly teach said file being at a common storage area other than a storage at which said database is stored. However, Kleewein teaches remote database (fig. 1, col. 5, lines 34-36). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made utilize a remote database to handle user data request because it would enable the system for improving the efficiency of processing action in a computer (col. 3, lines 16-28, col. 7, lines 9-12)

As per claim 7, Kleewein teaches:

means of enabling said database server to create a file identifying information for identifying said file where said massive amount of data is outputted, means of notifying said program of said file identifying information from said database server, and means

of enabling said program to refer to said file by using said file identifying information obtained by said notification, to obtain said massive amount of data (col. 5, lines 43-67).

Claim 8 is rejected by the same rationale as stated in independent claim 6 argument.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kleewein et al (US Patent 6,105,017) in view of Lu et al (Dynamic and Load-balanced Task-Oriented Database Query Processing in Parallel Systems).

As per claim 4, Kleewein does not explicitly teach a process of enabling plural processes, which has a parallel database arrangement and executes a database process in parallel, to output said data to said storage device in parallel. However, Lu teaching processing in parallel database system. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to implement a process of enabling plural processes in a parallel database as disclosed by Lu's system in order to speed up process and to achieve any significant breakthrough in performance.

Conclusion

If a reference indicated as being mailed on PTO-FORM 892 has not been enclosed in this action, please contact Lisa Craney whose phone number is (703) 305-9601 for faster service.

Application/Control Number: 09/317,434
Art Unit: 2177

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DEBBIE M LE whose telephone number is 703-308-6409. The examiner can normally be reached on 8:30-5:00.

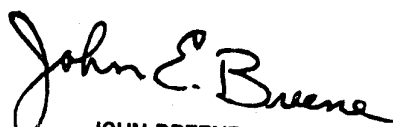
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JOHN BREENE can be reached on 703-305-9790. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.



Debbie Le
May 10, 2002

DEBBIE M LE
Examiner
Art Unit 2177



JOHN BREENE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100